

MSDS SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Safflower Oil High Oleic Refined Organic

BOTANICAL NAME/INCI Carthamus tinctorius

PRODUCT USE: Cosmetic/Industrial

ORIGIN: Mexico

SUPPLIER: Botanic Planet Canada Inc.

ADDRESS: 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

CAS Number: 90082-21-6

PHONE/FAX: 905-455-4444 / 905-455-8841

Emergency Tel No: (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. Hazards Identification

GHS Classification

Not classified as dangerous goods.

GHS Label elements, including precautionary statements

Signal: Not applicable **Hazard**

statement(s) Not applicable.

Precautionary statement(s)

Not applicable

3. Composition / Information on Ingredients

Product Name	CAS NO	EC NO	Concentration
Carthamus Tinctorius Seed Oil	8001-23-8	232-276-5	100 %

4. First-Aid Measure

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention. **EYE CONTACT:** Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse out mouth with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use CO², Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. **ENVIRONMENT**

PRECAUTIONS: Keep away from drains, soils, surface & ground waters. **CLEAN UP**

METHODS Remove all potential ignition sources. Contain spilled material. Cover with an inert or FOR **SPILLAGES:** non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

7. Handling & Storage

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling. **STORAGE CONDITIONS:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK / HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. Physical & Chemical Properties

Appearance: Pale yellow to yellow liquid.

Odor: Characteristic odor.

Flash point: 255°C

Relative density: 0.90 - 0.92 @ 20°C.

Solubility: Insoluble in water.

Refractive index: 1.460 - 1.464

10. Stability & Reactivity

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological Information

May be irritation to skin.

12. Ecological Information

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

15. Regulatory Information

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

16. Other Information



Shelf life of this product depends very much on storage conditions, particularly moisture, temperature, exposure to light and air.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Safflower Oil High Oleic Refined Organic

BOTANICAL NAME/INCI Carthamus tinctorius

LOT NO: -BPCSOHORO122024

EXPIRY DATE: -December 2027

ORIGIN: - Mexico

Properties	Specifications	Results
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic bland odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.913 - 0.919 @ 20°C	0.919
Refractive Index:	1.460 - 1.464 @ 40°C	1.464
Free Fatty Acids:	< 0.1 % (as oleic acid)	0.04
Peroxide Value:	< 2.0 meq/kg oil	0.97
Saponification Value:	186 - 194	191.89
Unsaponifiable:	< 1.0 %	0.63
Iodine Value:	80 - 100	91.45
Palmitic acid (C:16:0):	4.0 - 6 %	5.85
Stearic acid (C:18:0):	1.5 - 3.5 %	3.02
Oleic acid (C:18:1):	70 - 84 %	72.08
Linoleic acid:	9.0 - 20 %	16.33
Alpha-linolenic (C:18:3):	< 1.2 %	0.22

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